



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

December 15, 2017

Amy J. McCaskill  
Regulatory Manager  
Bayer CropScience LP  
P. O. Box 12014  
2 T. W. Alexander Drive  
RTP, NC 27709

Subject: Label Amendment – Updating label language for acceptable use rate.  
Product Name: Nortron SC Herbicide  
EPA Registration Number: 264-613  
Application Date: 10/12/2017  
Decision Number: 534686

Dear Amy McCaskill:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

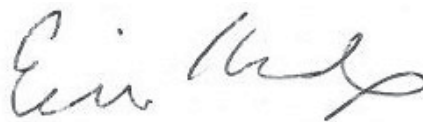
Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance

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with FIFRA section 6. If you have any questions, please contact Gene Kaudy by phone at 703-347-0585, or via email [kaudy.gene@epa.gov](mailto:kaudy.gene@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Erik Kraft", written in a cursive style.

Erik Kraft, Product Manager 24  
Fungicide and Herbicide Branch  
Registration Division (7505P)  
Office of Pesticide Programs

Enclosure

# Nortron<sup>®</sup> SC HERBICIDE

## SUSPENSION CONCENTRATE

### BROAD SPECTRUM HERBICIDE

For selective control of weeds in sugar beets, garden beets, onions, garlic, shallots; and carrots (in WA and OR only)

### GRASS SEED HERBICIDE

For Selective Control of Weeds in Certain Grass Seed Crops and Commercial Sod Production in California, Idaho, Nevada, Oregon, and Washington

### ACTIVE INGREDIENT

Percent by Weight

Ethofumesate: (2-ethoxy-2,3-dihydro-3,3-dimethyl-5-benzofuranyl  
methanesulfonate).....42%

OTHER INGREDIENTS: .....58%

**TOTAL:** .....100%

This product contains 4.0 lbs. active ingredient per gallon.

EPA Reg No. 264-613

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN

CAUTION

For MEDICAL And TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-334-7577

For PRODUCT USE Information Call 1-866-99BAYER (1-866-992-2937)

Please refer to [back panel] [booklet] for additional precautionary statements and directions for use. [Note to reviewer: Location of additional precautionary statements and directions for use will vary between those listed, depending on container type/size.]

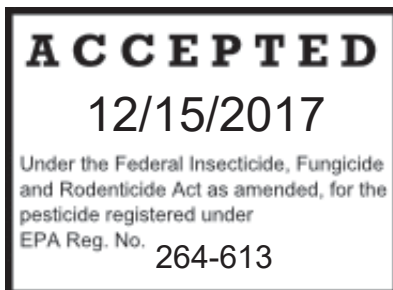
### FIRST AID

#### IF ON SKIN OR CLOTHING:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

For MEDICAL Emergencies Call 24 Hours A Day 1-800-334-7577.

Have the product container or label with you when calling a poison control center or doctor or going for treatment.



## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION

Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

**All mixers, loaders, applicators and other handlers must wear:**

- Long-sleeved shirt, long pants, shoes and socks, and chemical resistant gloves made out of any water proof material (except flaggers, or applicators in cockpits, and enclosed cabs)

**The handlers:**

- Must wear the PPE listed on this label and
- Must have immediately available for use in an emergency, such as a spill, or equipment breakdown, chemical resistant footwear and chemical resistant apron.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### ENGINEERING CONTROLS STATEMENT

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4–6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d) (6)].

#### For Commercial Dry Bulk Fertilizer Impregnation Only

- Handlers must use a closed system designed by the manufacturer to provide dermal and inhalation protection to enclose the pesticide to prevent it from contacting handlers or other people and the system is functioning properly and is used and maintained in accordance with the manufacturer's written operating instructions.

#### USER SAFETY RECOMMENDATIONS

- Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

#### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment washwaters or rinsate.

## **DIRECTIONS FOR USE**

**It is a violation of Federal law to use this product in a manner inconsistent with its labeling.**

### **SHAKE CONTAINER WELL BEFORE USING.**

Read entire Directions for Use and Disclaimer of Warranties before using this product. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

### **AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours. The REI for commercial sod is 48 hours.

Exception: if the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Shoes plus socks
- Chemical-resistant gloves made of any waterproof material

### **USE RESTRICTIONS**

Nortron® SC Herbicide or tank mixes must be used for registered purposes and at specified rates only. (DO NOT OVERTREAT.)

Do not graze or feed any crop treated with Nortron SC Herbicide within 60 days of the application.

Do not use on onions, garlic, and shallots grown in California.

Do not apply more than 3 pints (1.5 lb a.i./acre) of Nortron SC Herbicide per application with aircraft.

Do not apply this product through any type of irrigation system.

Do not allow spray mixture to stand in tank overnight. Flush and drain spray equipment after each day's use.

Do not move hand set irrigation equipment within 7 days of application except as permitted by the Worker Protection Standard [170.603(d)].

Do not use Nortron SC Herbicide on muck or peat soils.

Do not harvest treated sod for 3 days following application

Store unused spray mixture in tightly sealed containers and protect from frost.

This label must be in the possession of the user at the time of pesticide application.

## ROTATIONAL CROP GUIDELINES

See chart below for recropping intervals to all crops following applications of Nortron SC Herbicide. Planting at shorter than the specified intervals may result in injury to the rotational crop and/or illegal residues in the harvested commodity.

If crop is lost due to unfavorable growth conditions following application of Nortron SC Herbicide or tank mixes, do not replant with crops other than sugar beets, table beets, carrots, onions, shallots, or ryegrass in treated land during the same year. Do not retreat field with preemergence rates of Nortron SC Herbicide in the same year. If Nortron SC Herbicide applications were banded and fields are replanted to sugar beets, reseed into treated band.

When Nortron SC Herbicide is used in combination with other products; always follow the most restrictive recropping requirements of all products in the combinations.

### Recropping intervals following applications of Nortron SC Herbicide

| Immediate   | 6 months   | 12 months  |
|---|--|--|
|   | following split (low rate) postemergence applications totaling 12 fl oz per acre or less | following applications totaling greater than 12 fl oz per acre |
| sugar beets<br>beets, table (garden)<br>onion<br>shallots<br>carrots – OR, WA<br>ryegrass | all other crops <sup>1</sup>   | all other crops <sup>1</sup>                                   |

<sup>1</sup>Thorough tillage, including moldboard plowing, should precede the planting of crops other than those listed for immediate recropping in the above table.

## PRODUCT INFORMATION - SUGAR BEETS, BEETS, TABLE (GARDEN), ONION (DRY BULB), GARLIC (BULB), SHALLOT (BULB), AND CARROT (For Use in Washington and Oregon Only)

Nortron SC Herbicide is a selective herbicide for use in sugar beets, table beets, onion, shallot, and carrot for the control of the weed species listed in the table "WEED SPECIES CONTROLLED."

Residual control of weeds is dependent upon soil moisture conditions; rate of herbicide used, and soil texture. The activity of Nortron SC Herbicide in the soil is reduced as the soil texture becomes finer and organic matter increases.

## APPLICATION INFORMATION

**Crops grown under rainfall:** Apply Nortron SC Herbicide alone or in a tank mix preemergence at time of planting or shortly after, but prior to weed germination. Nortron SC Herbicide or tank mix does not require mechanical soil incorporation provided that sufficient rainfall occurs shortly following application to activate the chemical. One-half inch of rainfall is usually adequate for activation. In areas where rainfall can be marginal for activation, such as the Red River Valley (Minnesota and North Dakota) for sugar beets, it is advised that Nortron SC Herbicide be applied before or at the time of planting and incorporated into the soil.

**Crops grown under furrow irrigation:** Apply Nortron SC Herbicide alone or in a tank mix to the soil surface preplant or at time of planting, but prior to weed germination. Where crops are grown in beds, apply Nortron SC Herbicide or tank mix after bedding and incorporate. Since Nortron SC Herbicide must have moisture to control weeds effectively, irrigate until tops of beds are thoroughly wetted.

**Crops grown under sprinkler irrigation:** Apply Nortron SC Herbicide alone or in tank mix preemergence at time of planting or shortly after, and irrigate prior to crop and weed germination. Repeat irrigation as necessary to maintain good moisture in upper soil layer. Apply at least one-half inch of water during first irrigation. Do not mechanically incorporate Nortron SC Herbicide into the soil under sprinkler irrigation.

### Tank Mixing:

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

**CULTURAL PRACTICES FOLLOWING APPLICATION:** When properly applied, Nortron SC Herbicide alone can provide up to 6 weeks control of susceptible weed species (see table "WEED SPECIES CONTROLLED") in table beets, onion, shallot and carrot, and up to 10 weeks control in sugar beets. When cultivating fields in which Nortron SC Herbicide has been banded, care should be exercised to minimize the movement of untreated soil into the treated band. Where a broadcast application has been made, do not cultivate deeper than two inches, as this reduces the effectiveness of Nortron SC Herbicide.

## PREPLANT AND PREEMERGENCE USE INSTRUCTIONS

Nortron SC Herbicide applied alone or in tank, mixes according to label directions and under normal growing conditions may cause temporary leaf fusion, distortion, and stunting. Crop injury may occur during early growth when crop is stressed due to herbicide residue carryover, highly saline or alkaline soils, unusually cold and wet weather or improperly placed fertilizers or soil insecticides.

Unusually dry, windy weather, which dries the upper soil layer, following application of Nortron SC Herbicide, may reduce effectiveness.

**DO NOT OVERTREAT:** The use of higher than specified rates may cause beet injury and/or carry over problems.

## PREPLANT AND PREEMERGENCE APPLICATIONS

**SOIL PREPARATION:** The soil should be prepared according to good agricultural practices. Large clods can reduce the effectiveness of Nortron SC Herbicide and tank mixes. All existing vegetative growth should be thoroughly worked into the soil before treatment.

**SPRAY EQUIPMENT:** Apply Nortron SC Herbicide alone or in tank mixes to the soil using standard low pressure (20 to 50 psi) spray equipment. Spray equipment should be carefully calibrated before use and checked frequently during application to see that it is functioning properly. Do not use smaller than 50-mesh strainer. Uniformly apply the specified rates of Nortron SC Herbicide or tank mixes in 10 to 60 gallons of water per acre on a broadcast basis. Avoid overlaps since crop injury may result. When applying Nortron SC Herbicide or tank mixes in a band, check to make certain that the bandwidth is accurate for the dosage rate being applied.

The spray tank and lines should be thoroughly cleaned and rinsed prior to using Nortron SC Herbicide.

## POSTEMERGENCE APPLICATION

### APPLICATION INFORMATION

Nortron SC Herbicide applied postemergence broadens and enhances the control of weeds.

**Mixing the Spray:** Add Nortron SC Herbicide to the water in the spray while agitating the spray solution thoroughly.

**Spray Equipment:** Apply the mixture using standard low-pressure (20–60 psi) spray equipment. Ensure that the sprayer is thoroughly clean. Spray equipment should be carefully calibrated before use and checked frequently during application to see that it is functioning properly. Uniformly apply the specified rate in 10–40 gallons of water per acre on a broadcast basis or 5–10 gallons of water per acre in a band. Avoid overlaps, since crop injury may result. When applying in a band, check to make certain that the bandwidth is accurate for the dosage rate being applied. Do not use strainer smaller than 50-mesh.

**Moisture Following Application/Residual Weed Control:** Rainfall or sprinkler irrigation within 6 hours of spraying may reduce weed control; however, with preemergence rates, moisture after this period of time is advantageous for moving Nortron SC Herbicide into the top layer of soil where it can be absorbed by the roots of sprayed and germinating weeds to provide optimum control. One-half inch or more of sprinkler irrigation is required to activate Nortron SC Herbicide on most soil types.

Residual control of weeds is dependent upon soil moisture conditions; rate of herbicide used, and soil texture. The activity of Nortron SC Herbicide in the soil is reduced as the soil texture becomes finer and organic matter increases.

**NORTRON SC HERBICIDE MAY CAUSE CROP INJURY OR STAND LOSS IF THE CROP IS UNDER STRESS FROM ONE OR MORE OF THE FOLLOWING CONDITIONS:**

- Rapid climatic changes from cool, overcast days, to hot (80°F or over), bright days. When the air temperature is, or is likely to be, above 80°F on the day of spraying, application should be made in the evening when the temperature is lower.
- Frost within seven days following treatment
- Windy or drought conditions
- Use of a preplant or preemergence herbicide or other chemicals
- Insect or disease injury
- Close cultivation

If stress conditions are present, delay application until crop has recovered.

**DO NOT OVERTREAT:** The use of higher-than-specified rates may cause crop injury and/or carry over problems.

Do not spray while dew is present.

Rainfall or sprinkler irrigation within 6 hours of application may reduce weed kill.

If Nortron SC Herbicide is applied on fields with heavy crop residue, such as from a previous corn crop, reduced weed control may occur.

Do not allow spray drift to contact adjacent crops, which may be injured, by spray drift.

## SPRAY DRIFT MANAGEMENT

This chemical can contaminate surface water through spray drift. A variety of factors including weather conditions (e.g., wind directions, wind speed, temperature, relative humidity) and method of application (e.g., ground, aerial) can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.

Damage to sensitive crops can occur as a result of spray drift. Spray drift can be managed by several application factors and by spraying under the appropriate climatic conditions. Consequently, avoidance of spray drift is the responsibility of the applicator and grower.

### WIND:

Do not apply at wind speeds greater than 15 mph.

Drift potential is lowest between wind speeds of 2 - 10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Application must be avoided below 2 mph due to variable wind direction and high inversion potential. **NOTE:** Local terrain can influence wind patterns. Every applicator must be familiar with local wind patterns and how they affect spray drift.

For all non-aerial applications, wind speed must be measured adjacent to the application site, on the upwind side, immediately prior to application.

### TEMPERATURE INVERSIONS:

Do not make applications into areas of temperature inversion or stable atmospheric conditions.

Do not make ground applications into areas of temperature inversions because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small-suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

**SENSITIVE AREAS:** The pesticide must only be applied when the potential for drift to adjacent sensitive areas (e.g., residential areas, bodies of water, known habitats for threatened or endangered species, non-target crops) is minimal (e.g., when wind is blowing away from the sensitive areas).

Avoiding spray drift at the application site is the responsibility of the applicator and grower. The interaction of many equipment-and-weather-related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

Do not apply under circumstances where possible drift to unprotected persons or to food, forage, or other plantings that might be damaged or crops thereof rendered unfit for sale, use, or consumption can occur.

The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops.

1. The distance of the outer most nozzles on the boom must not exceed 3/4 the length of the wingspan or rotor.
2. Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees.
3. All ground application equipment must be properly maintained and calibrated using appropriate carriers.

Where states have more stringent regulations, they shall be observed.

### INFORMATION ON DROPLET SIZE:

The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly, or under unfavorable environmental conditions (see Wind, Temperature and Humidity, and Temperature Inversions).

Uniform, thorough spray coverage is important to achieve consistent weed control. Select nozzles and pressure that deliver medium spray droplets as indicated in nozzle manufacturer's catalogs and in accordance with ASAE Standard S-572. Nozzles that deliver coarse spray droplets may be used to reduce spray drift provided spray volume per acre (GPA) is increased to maintain coverage of weeds.



## **CONTROLLING DROPLET SIZE:**

- Volume - Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- Pressure - Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types, lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.
- Number of nozzles - Use the minimum number of nozzles that provide uniform coverage.
- Nozzle Orientation - Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential.
- Nozzle Type - Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift.

## **BOOM LENGTH:**

For some use patterns, reducing the effective boom length to less than 3/4 of the wingspan or rotor length may further reduce drift without reducing swath width.

## **APPLICATION HEIGHT:**

For ground boom applications, apply with nozzle height no more than 4 feet above the ground or crop canopy. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

## **TEMPERATURE AND HUMIDITY:**

When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry. Avoid spraying during conditions of low humidity and/or high temperatures.

## **HERBICIDE RESISTANCE**

For resistance management, Nortron SC Herbicide is a Group 8 herbicide. Any weed population may contain or develop plants naturally resistant to Nortron SC Herbicide and other Group 8 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Appropriate resistance management strategies should be followed.

To delay herbicide resistance take one or more of the following steps:

- Rotate the use of Nortron SC Herbicide or other Group 8 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group if such use is permitted; where information on resistance in target weed species is available, use the less resistance-prone partner at a rate that will control the target weed(s) equally as well as the more resistance-prone partner. Consult your local extension service or certified crop advisor if you are unsure as to which active ingredient is currently less prone to resistance.
- Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use and crop rotation, and that considers tillage ( or other mechanical control methods), cultural ( e.g., higher crop seeding rates; precision fertilizer application method and timing to favor the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.
- Scout after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include: (1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds; (2) a spreading patch of non-controlled plants of a particular weed species; (3) surviving plants mixed with controlled individuals of the same species. If resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or by a mechanical method such as hoeing or tillage. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields, and planting clean seed.
- If a weed pest population continues to progress after treatment with this product, discontinue use of this product, and switch to another management strategy or herbicide with a different mode of action, if available.
- Contact your local extension specialist or certified crop advisors for additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance contact Bayer CropScience at 1-866-99BAYER (1-866-992-2937). You can also contact your pesticide distributor or university extension specialist to report resistance.

## DIRECTIONS FOR USE OF NORTRON SC HERBICIDE SPECIFIC TO CROPS

### **SUGAR BEETS**

#### **USE INSTRUCTIONS**

Following a preemergence treatment of Nortron SC Herbicide, do not apply conventional rates of Nortron SC Herbicide postemergence where more than 6 pints were applied preplant or preemergence. Do not apply more than a total of 4 lbs ai/A (1 gallon; 128 fluid ounces) of Nortron SC Herbicide per year. The maximum single application rate is 3.75 lbs ai/A (7 ½ pints; 120 fluid ounces). Do not retreat within 10 days. Do not apply more than 4 applications. See *Use Restrictions* for additional information on proper use.

#### **PREPLANT INCORPORATED, LAYERING AND FALL APPLICATIONS**

See the Information section for instructions on making preplant and preemergence applications.

**INCORPORATION EQUIPMENT:** Where soil incorporation is recommended, use a hooded power- or ground-driven rotary tiller, rolling cultivator, or similar equipment properly adjusted to uniformly incorporate Nortron SC Herbicide or tank mixes to a depth of 1 to 2 inches. Deeper incorporation may reduce effectiveness. Do not apply Nortron SC Herbicide or tank mixes through soil injector shanks. Incorporation should be accomplished prior to planting. If done after planting, proper precautions should be taken to avoid damaging or moving the crop seed. See below for Layering Application.

#### **LAYERING APPLICATION:**

**Spring:** Form beds with appropriate bedding equipment. Pre-irrigate field if necessary. Remove bed top with suitable de-ridging machinery to provide a minimum width of 10" across the top of the bed. Apply Nortron SC Herbicide in a band at the specified rate indicated in the appropriate regional dosage table and covers the treated band with 1 inch of soil using ditchers or discs equipment. Shape the bed with roller shaper and irrigate until the tops of the beds are thoroughly wetted. Irrigate from furrows on both sides of the row.

**Fall:** This method of application can be used when spring moisture is marginal or where irrigation water is not available at planting time. Fall bedding utilizes the winter-accumulated moisture to enhance activation of the herbicide and to aid in germination of the sugar beet crop.

Prepare the field (as for planting; plow, pack, and float, etc.), in the fall, usually late September or October. Apply Nortron SC Herbicide in a band to the soil surface at the specified rate indicated in the appropriate regional dosage table. Be sure that the soil surface to be treated is free of trash and vegetation.

Cover the treated bands with soil and form beds or ridges using ditchers or discs. In the spring when the soil is sufficiently dry to be worked, de-ridge the beds down to within 1/2" to 1" of the treated layer using suitable equipment such as the Kirchner bedder or Oregon Northslope harrow. When de-ridging, maintain the original bedding guidance system by using a bull tongue chisel, slide guides, or similar equipment. This will ensure that the planter will follow in the treated band. Plant sugar beets in the de-ridged area when the soil conditions allow.

**NORTRON SC HERBICIDE ALONE**  
**DOSAGE TABLE 1**  
**(All Regions Except North Dakota and Minnesota):**

| Rate of Nortron SC Herbicide per Acre <sup>1</sup>                      |                      |                                |                  |                      |
|---|----------------------|--------------------------------|------------------|----------------------|
| Soil Texture  | Broadcast            | 7-inch Band Width <sup>2</sup> |                  |                      |
|   |                      | 22" Row                        | 28" Row          | 30" Row              |
| Coarse Textured Soils:  |                      |                                |                  |                      |
| Sands, loamy sands and sandy loams                                      | 2 1/4 to 3 3/4 Pints | 3/4 to 1 1/4 Pints             | 2/3 to 1 Pints   | 1/2 to 1 Pints       |
| Medium Textured Soils:  |                      |                                |                  |                      |
| Silt loams, clay loams which contain less than 3% organic matter        | 3 3/4 to 6 Pints     | 1 1/4 to 2 Pints               | 1 to 1 1/2 Pints | 1 to 1 1/2 Pints     |
| Fine Textured Soils:  |                      |                                |                  |                      |
| Silt loams, clay loams, clays which contain more than 3% organic matter | 6 to 7 1/2 Pints     | 2 to 2 1/2 Pints               | 1 1/2 to 2 Pints | 1 1/2 to 1 3/4 Pints |

<sup>1</sup> Use the higher rate within each soil texture category on the finer texture soils and/or where Kochia, barnyardgrass or black nightshade are expected to be a problem.

<sup>2</sup> For other band or row widths, adjust the rate in proportion to the area actually treated.

**DOSAGE TABLE 2**  
**(North Dakota and Minnesota only):**

| Nortron SC Herbicide per Acre |             |                                |
|-------------------------------|-------------|--------------------------------|
| Soil Texture                  | Broadcast   | 7-inch Band Width <sup>1</sup> |
|                               |             | 22" Row                        |
| Coarse Textured Soils:        |             |                                |
| Sandy loams only              | 6 Pints     | 2 Pints                        |
| Medium Textured Soils:        |             |                                |
| Silt loams and clay loams     | 6 Pints     | 2 Pints                        |
| Fine Textured Soils:          |             |                                |
| Heavy clays                   | 7 1/2 Pints | 2 1/2 Pints                    |

<sup>1</sup> For other band or row widths, adjust the rate in proportion to the area actually treated.

**BEETS, TABLE (GARDEN)****NORTRON SC HERBICIDE ALONE****DOSAGE TABLE 10****DOSAGE FOR BROADCAST APPLICATIONS**

| <b>Table Beet Stage</b> | <b>NORTRON SC HERBICIDE<br/>FLUID OUNCES/ACRE BROADCAST</b> |
|-------------------------|---|
| Preemergence            | 60  |
| Postemergence           |   |
| 2-Leaf                  | 5.25  |
| 4-Leaf                  | 5.25  |
| 6-Leaf to 8-Leaf        | 10.5  |

**USE RESTRICTIONS**

Do not apply more than a total of 3 lbs ai/A (0.75 gallon; 96 fluid ounces) of Nortron SC Herbicide per year. The maximum single application rate is 1.875 lbs ai/A (3.75 pints; 60 fluid ounces). Do not retreat within 10 days. Do not apply more than 4 applications. See *Use Restrictions* for additional information on proper use.

**ONION (DRY BULB), GARLIC (BULB), SHALLOT (BULB) (NOT FOR USE IN CALIFORNIA)****NORTRON SC HERBICIDE ALONE****DOSAGE TABLE 11†****DOSAGE FOR BROADCAST APPLICATIONS TO ONION, GARLIC AND SHALLOT**

| <b>Use Pattern</b>   | <b>NORTRON SC HERBICIDE<br/>FLUID OUNCES/ACRE BROADCAST</b> |
|--|---|
| Preemergence, soil surface   |   |
| Coarse Soils (sand, loamy sand, sandy loam)  | 16  |
| Medium and Fine Soils  | 32  |
| Postemergence  |   |
| up to 4 foliar applications at evenly spaced<br>intervals, with last application 30 (+/- 2) days<br>before harvest | 16  |

**USE RESTRICTIONS**

On coarse soils do not apply more than a total of 1.5 lbs ai/A (0.38 gallon; 48 fluid ounces) of Nortron SC Herbicide per year. The maximum single application rate for coarse soils is 0.5 lbs ai/A (0.125 gallon; 16 fluid ounces). On medium and fine textured soils do not apply more than a total of 3 lbs ai/A (0.75 gallon; 96 fluid ounces) of Nortron SC Herbicide per year. The maximum single application rate for medium and fine textured soils is 1.0 lbs ai/A (0.25 gallon; 32 fluid ounces). Do not retreat within 10 days. Do not apply more than 4 applications. This product is not for use in California. See *Use Restrictions* for additional information on proper use.

**CARROT (For Use in Washington and Oregon Only)****NORTRON SC HERBICIDE ALONE****DOSAGE TABLE 12****DOSAGE FOR BROADCAST APPLICATIONS TO CARROT**

| <b>Use Pattern</b>                          | <b>NORTRON SC HERBICIDE<br/>FLUID OUNCES/ACRE BROADCAST</b> |
|---|---|
| Preemergence, soil surface                  |   |
| Coarse Soils (sand, loamy sand, sandy loam) | 48  |
| Medium and Fine Soils                       | 64  |
| Postemergence                               | 64  |
| 2-Leaf to 4-Leaf Stage                      |   |

**USE RESTRICTIONS**

Do not apply more than a total of 4 lbs ai/A (1 gallon; 128 fluid ounces) of Nortron SC Herbicide per year. The maximum single application rate 2.0 lbs ai/A (0.5 gallon; 64 fluid ounces). Do not retreat within 10 days. Do not apply more than 2 applications. See *Use Restrictions* for additional information on proper use.

**RYEGRASS, TALL FESCUE, BENTGRASS, AND KENTUCKY BLUEGRASS SEED CROPS**  
(For use in California, Idaho, Nevada, Oregon, and Washington only)

**PRODUCT INFORMATION**

Nortron SC Herbicide is a selective herbicide for use in ryegrass, tall fescue, and bentgrass seed crops in California, Idaho, Nevada, Oregon, and Washington. It effectively controls or reduces competition from those weed species listed in the table "WEED SPECIES CONTROLLED."

Nortron SC Herbicide may be applied preemergence to new seedlings of annual or perennial ryegrass or postemergence to perennial ryegrass, tall fescue, or bentgrass. Application to bentgrass is restricted to plantings, which have been established for one year or longer. Soil should be moist at time of application. Nortron SC Herbicide is less effective when applied to dry soil. Rainfall or overhead irrigation shortly after application is necessary for activation.

Residual control of weeds is dependent upon soil moisture conditions, rate of herbicide used, and soil texture. The activity of Nortron SC Herbicide in the soil is reduced as the soil texture becomes finer and organic matter/thatch increases.

**Spray equipment:** Use a fixed-boom power sprayer properly calibrated to a constant speed and rate of delivery. Do not use smaller than 50-mesh strainer. Avoid overlapping of spray swath. Shut off boom while starting, turning, or stopping to avoid overlapping. Apply in 10 to 50 gallons of water per acre at low pressure (20 to 50 psi).

**Soil preparation:** A firm, fine and level seedbed free of trash and vegetative matter will provide best results from preemergence applications. Large clods can reduce effectiveness of Nortron SC Herbicide. All existing vegetative growth should be thoroughly worked into the soil before treatment.

**USE RESTRICTIONS**

Do not apply more than a total of 4 lbs ai/A (1 gallon; 128 fluid ounces) of Nortron SC Herbicide per year. The maximum single application rate is 3 pints (1.5lbs ai/A; 0.38 gallon; 48 fluid ounces). Do not retreat within 10 days. Do not apply more than 4 applications. See Use Restrictions for additional information on proper use.

**NEW SEEDINGS OF ANNUAL OR PERENNIAL RYEGRASS**

**Before weed emergence:** Apply Nortron SC Herbicide after seeding and prior to weed emergence. For best results, apply to moist soil. Apply 1 1/2 to 3 pints per acre. Use the lower rate for control of common chickweed. For control of rattail fescue, wild oats, and volunteer cereals and other weeds listed, use 2 1/4 to 3 pints per acre.

**After weed emergence:** Apply Nortron SC Herbicide at earliest possible weed growth stage but not later than the 4-leaf stage. Rattail fescue, wild oats, and volunteer cereals, which are more difficult to control, must be treated no later than the 2-leaf stage. Apply 2 1/4 to 3 pints per acre. Use the highest rate where rattail fescue, wild oats, and volunteer cereals are present and where weed infestation is heavy.

**NEW SEEDINGS OF FALL-PLANTED PERENNIAL RYEGRASS AND TALL FESCUE TREATED WITH DIURON PLUS CHARCOAL**

**Timing of application:** Apply Nortron SC Herbicide following crop emergence and after sufficient rainfall and/or overhead irrigation has occurred to dissipate the charcoal band (approximately 4 inches). Use dosage rates listed in *Dosage Table 13*. Surface debris may result in reduced weed control. Failure to allow for complete dissipation of the charcoal band may result in reduced weed control within the crop row. For best results, apply Nortron SC Herbicide to a moist soil surface.

Before using diuron, read the diuron label for rates, timing of applications, directions for use, and precautionary statements. Do not exceed maximum dosage rates for either herbicide.

NOTE: Do not apply Nortron SC Herbicide when crop shows diuron injury.

**DOSAGE TABLE 13**

| Crop                               | Rate<br>Per Acre | Remarks   |
|------------------------------------|------------------|---|
| Perennial ryegrass and tall fescue | 1 1/2 to 3 pints | For effective control, annual bluegrass must be treated before the 4-leaf stage; rattail fescue, wild oats, and volunteer wheat must be treated before the 2-leaf stage. Use the lower rate for control of annual bluegrass and common chickweed; use the higher rate for control of rattail fescue, wild oats, and other weeds listed. |

**After weed emergence:** Apply Nortron SC Herbicide at earliest possible weed growth stage but not later than the 4-leaf stage. Rattail fescue, wild oats, and volunteer cereals, which are more difficult to control, must be treated no later than the 2-leaf stage. Apply 2 1/4 to

3 pints per acre. Use the highest rate where rattle fescue, wild oats, and volunteer cereals are present and where weed infestation is heavy.

#### **ESTABLISHED STANDS OF PERENNIAL RYEGRASS AND TALL FESCUE**

**Before weed emergence:** Apply Nortron SC Herbicide at 2 1/4 to 3 pints per acre prior to weed emergence. Use higher rate where rattle fescue, wild oats, and volunteer cereals are expected to be a problem. For best results, apply to moist soil. Crop residue and debris will reduce effectiveness of treatment and should be removed or destroyed.

**After weed emergence:** Apply Nortron SC Herbicide at earliest possible weed growth stage but not later than the 4-leaf stage. Rattle fescue, wild oats, and volunteer cereals, which are more difficult to control, must be treated no later than the 2-leaf stage. Apply 2 1/4 to 3 pints per acre. Use the higher rate where rattle fescue, wild oats, and volunteer cereals are present. Where weed pressure is very heavy and rattle fescue is at the maximum stage of growth for treating, apply Nortron SC Herbicide at a rate of 3 pints.

#### **ESTABLISHED STANDS OF BENTGRASS**

Apply only to well-established stands, which have been seeded for not less than 12 months. Straw from previous crop must be removed or destroyed. Failure to do so may result in reduced weed control.

**Before weed emergence:** Apply Nortron SC Herbicide at 1 1/2 to 3 pints per acre prior to weed emergence. Use higher rate where rattle fescue, wild oats, and volunteer cereals are expected to be a problem. For best results, apply to moist soil.

**After weed emergence:** Apply Nortron SC Herbicide at earliest possible weed growth stage, but no later than the 4-leaf stage. Rattle fescue, wild oats, and volunteer cereals, which are more difficult to control, must be treated no later than the 2-leaf stage. Apply at the rate of 1 1/2 to 3 pints per acre. Use higher rate when rattle fescue, wild oats, and volunteer cereals are a problem. Do not apply more than 3 pints of Nortron SC Herbicide per acre on bentgrass.

#### **ESTABLISHED STANDS OF KENTUCKY BLUEGRASS(UNDER IRRIGATION ONLY)**

Apply only to established stands, which have been seeded for at least 12 months. Crop residues, carbon, and debris should be removed. Failure to do so may result in reduced weed control. Nortron SC Herbicide is compatible with currently labeled grass seed herbicides. Consult your local field man for specified uses.

**Before weed emergence:** Apply Nortron SC Herbicide at 2 pints per acre prior to weed emergence. For best results, apply to moist soil. Apply at least 1/2 inch irrigation within 2 to 3 days after treatment to incorporate Nortron SC Herbicide.

**After weed emergence:** Apply Nortron SC Herbicide at 2 pints per acre at the earliest possible weed growth stage, but no later than the 4-leaf stage. For best results, apply to moist soil. Apply at least 1/2 inch irrigation within 2 to 3 days after treatment to incorporate Nortron SC Herbicide.

#### **COMMERCIAL SOD PRODUCTION (For use in California, Idaho, Nevada, Oregon, and Washington only)**

#### **PRODUCT INFORMATION**

Nortron SC Herbicide is a selective herbicide for use in established and newly planted tall fescue and perennial ryegrass grown for sod in California, Idaho, Nevada, Oregon, and Washington. Nortron SC Herbicide may be applied preemergence or postemergence for the control of weed species listed in the table "WEED SPECIES CONTROLLED."

Overhead irrigation or rainfall shortly after application is necessary for activation.

Residual control of weeds is dependent upon soil moisture conditions, rate of herbicide used, and soil texture. The activity of Nortron SC Herbicide in the soil is reduced as the soil texture becomes finer and organic matter/thatch increases.

**Spray equipment:** Use a fixed-boom power sprayer properly calibrated to a constant speed and rate of delivery. Do not use smaller than a 50-mesh strainer. Avoid overlapping of spray swath. Shut off boom while starting, turning, or stopping to avoid over-application. Make applications in 10 to 50 gallons of water per acre at low pressure (20 to 50 psi).

**Soil preparation:** All existing vegetative matter should be thoroughly worked into the soil surface before planting. Large clods, trash, or vegetative matter left on the soil surface will reduce effectiveness of the Nortron SC Herbicide treatment.

## USE RESTRICTIONS

Do not apply more than a total of 4 lbs ai/A (1 gallon; 128 fluid ounces) of Nortron SC Herbicide per year. The maximum single application rate is 3 pints (1.5lbs ai/A; 0.38 gallon; 48 fluid ounces). Do not retreat within 10 days. Do not apply more than 3 applications. See Use Restrictions for additional information on proper use.

## NEWLY PLANTED PERENNIAL RYEGRASS AND TALL FESCUE GROWN FOR SOD

Apply Nortron SC Herbicide to newly planted areas when crop reaches the 2- to 3-leaf stage of growth. For best results, apply to moist soils.

**Before weed emergence:** Apply Nortron SC Herbicide at 2 1/4 to 3 pints per acre prior to weed emergence. Use the higher rate where rattle fescue, wild oats, and volunteer cereals are expected to be a problem.

**After weed emergence:** Apply Nortron SC Herbicide at earliest possible weed growth stage but no later than the 4-leaf stage. Rattle fescue, wild oats, and volunteer cereals, which are more difficult to control, must be treated no later than the 2-leaf stage. Apply Nortron SC Herbicide at 2 1/4 to 3 pints per acre.

## ESTABLISHED PERENNIAL RYEGRASS AND TALL FESCUE SOD

For preemergence and/or postemergence control of susceptible weeds, apply Nortron SC Herbicide prior to weed emergence or at the earliest possible weed growth stage, but not later than the 4-leaf stage. For best results, apply to moist soils. Apply Nortron SC Herbicide at 2 1/4 to 3 pints per acre. Repeat applications at 4 to 8 week intervals may be needed to maintain weed control. DO NOT apply more than 1 gallon of Nortron SC Herbicide per acre per growing year (4lbs ai/A).

## USE PRECAUTIONS

Nortron SC Herbicide may cause stunting and stand reduction of newly seeded perennial ryegrass and tall fescue, if the crop is planted late in the fall and subjected to adverse climatic conditions or pesticides, which restrict normal growth.

If vegetative matter or stover from previous crop was burned, sufficient rainfall or overhead irrigation must have occurred to dissipate the charcoal residue remaining after burning prior to Nortron SC Herbicide treatment. Failure to allow for dissipation of charcoal residue may result in reduced weed control.

## WEED SPECIES CONTROLLED

|                               |                              | Sugar beets <sup>1</sup> |               | Bentgrass,<br>Kentucky<br>Bluegrass,<br>Ryegrass, Tall<br>Fescue<br>for seed <sup>1</sup> | Commercial<br>sod <sup>1</sup> | Table<br>(garden)<br>beets,<br>Onion ,<br>Garlic,<br>Shallot.<br>Carrot <sup>1</sup> |
|-------------------------------|------------------------------|--------------------------|---------------|---|--------------------------------|--|
|                               |                              | Soil-<br>applied         | Postemergence |   |                                |  |
| <b>Annual Broadleaf Weeds</b> |                              |                          |               |   |                                |  |
| Buckwheat, wild               | <i>Polygonum convolvulus</i> | C                        | C             |   |                                | C  |
| Buffalobur                    | <i>Solanum rostratum</i>     | C                        |               |   |                                |  |
| Chickweed, common             | <i>Stellaria media</i>       | C                        | C             | C   |                                | C  |
| Fiddleneck, coast             | <i>Amsinckia intermedia</i>  | C                        | C             |   |                                |  |
| Goosefoot, nettleleaf         | <i>Chenopodium murale</i>    | C                        | C             |   |                                | C  |
| Groundcherry                  | <i>Physalis lanceifolia</i>  | C                        | C             |   |                                |  |
| Groundsel, common             | <i>Senecio vulgaris</i>      | C                        |               |   |                                |  |
| Henbit                        | <i>Lamium amplexicaule</i>   | C                        | C             |   |                                |  |
| Knotweed, prostrate           | <i>Polygonum aviculare</i>   | C                        | C             |   |                                |  |
| Kochia                        | <i>Kochia scoparia</i>       | C                        | C             |   |                                |  |
| Ladysthumb                    | <i>Polygonum persicaria</i>  | C                        | C             |   |                                | C  |
| Lambsquarters, common         | <i>Chenopodium album</i>     | C                        |               |   |                                | C  |
| Lettuce, prickly              | <i>Lactuca serriola</i>      | C                        |               |   |                                | C  |
| Mustard, black                | <i>Brassica nigra</i>        | C                        |               |   |                                |  |
| Mustard, wild                 | <i>Brassica kaber</i>        |                          | C             |   |                                |  |



|                           |                                     |    |   |   |  |                 |
|---------------------------|-------------------------------------|----|---|---|--|-----------------|
| Nightshade, black         | <i>Solanum nigrum</i>               | C  | C |   |  |                 |
| Nightshade, cutleaf       | <i>Solanum triflorum</i>            | C  |   |   |  | C               |
| Nightshade, eastern black | <i>Solanum ptycanthum</i>           |    |   |   |  |                 |
| Nightshade, hairy         | <i>Solanum sarrachoides</i>         |    | C |   |  | C               |
| Pigweed, prostrate        | <i>Amaranthus gracizans</i>         |    | C |   |  |                 |
| Pigweed, redroot          | <i>Amaranthus retroflexus</i>       | C  | C |   |  | C               |
| Potato, volunteer         | <i>Solanum tuberosum</i>            |    |   |   |  | PC <sup>4</sup> |
| Puncturevine              | <i>Tribulus terrestris</i>          | PC |   |   |  | PC              |
| Purslane, common          | <i>Portulaca oleracea</i>           | C  | C |   |  | C               |
| Ragweed, common           | <i>Ambrosia artemisiifolia</i>      | C  | C |   |  |                 |
| Rocket, London            | <i>Sisymbrium irio</i>              |    | C |   |  |                 |
| Russian thistle           | <i>Salsola kali var. tenuifolia</i> | C  |   |   |  | C               |
| Shephedspurse             | <i>Capsella bursa-pastoris</i>      | PC | C |   |  | PC              |
| Smartweed, Pennsylvania   | <i>Polygonum pennsylvanicum</i>     | C  | C |   |  | C               |
| Sowthistle, annual        | <i>Sonchus oleraceus</i>            | PC | C |   |  | PC              |
| Vetch, common             | <i>Vicia sativa</i>                 |    |   | C |  |                 |

#### WEED SPECIES CONTROLLED contd

|                                     |                               | Sugar beets <sup>1</sup> |               | Bentgrass, Kentucky Bluegrass, Ryegrass, Tall Fescue for seed <sup>1</sup> | Commercial sod <sup>1</sup> | Table (garden) beets, Onion, Garlic, Shallot, Carrot <sup>1</sup> |
|-------------------------------------|-------------------------------|--------------------------|---------------|--|-----------------------------|---|
|                                     |                               | Soil-applied             | Postemergence |  |                             |   |
| <b>Annual Grass and Sedge Weeds</b> |                               |                          |               |  |                             |   |
| Barley, volunteer (seedling)        | <i>Hordeum sp.</i>            | C                        |               | C  | C                           | C   |
| Barnyardgrass                       | <i>Echinochloa crus-galli</i> | C                        | C             | C  | C                           | C   |
| Bluegrass, annual                   | <i>Poa annua</i>              | C                        | C             | C  | C                           | C   |
| Brome, downy                        | <i>Bromus tectorum</i>        |                          |               | C  | C                           |   |
| Canarygrass                         | <i>Phalaris canariensis</i>   | C                        | C             | C  | C                           | C   |
| Chess, soft                         | <i>Bromus mollis</i>          |                          |               | C  | C                           |   |
| Crabgrass, large                    | <i>Digitaria sanguinalis</i>  | C                        |               | C  | C                           | C   |
| Fescue, rattle (seedling)           | <i>Festuca myuros</i>         |                          |               | C  | C                           |   |
| Foxtail, green                      | <i>Setaria viridis</i>        | C                        | C             | C  | C                           | C   |
| Foxtail, yellow (Pigeongrass)       | <i>Setaria pumila</i>         | C                        | C             | C  | C                           | C   |
| Mannagrass                          | <i>Glyceria spp.</i>          |                          |               | C  | C                           |   |
| Nutsedge, purple                    | <i>Cyperus rotundus</i>       | PC                       |               |  |                             | PC  |
| Nutsedge, yellow                    | <i>Cyperus esculentus</i>     | PC                       |               |  |                             | PC  |
| Oat, wild (seedling)                | <i>Avena fatua</i>            | C <sup>2</sup>           |               | C  | C                           | C <sup>2</sup>  |
| Velvetgrass, common                 | <i>Holcus lanatus</i>         |                          |               | C  | C                           |   |
| Wheat, volunteer (seedling)         | <i>Triticum sp.</i>           | C                        |               | C  | C                           | C   |

C = control, PC = partial control<sup>4</sup>. blank cells = control not claimed for the particular crops and applications

<sup>1</sup>See details for applications of Nortron SC Herbicide under the specific crop use directions for SUGAR BEETS, and RYEGRASS, TALL FESCUE, BENTGRASS, and Kentucky bluegrass seed crops (For use in California, Idaho, Nevada, Oregon, and Washington only),

and COMMERCIAL SOD PRODUCTION (For use in California, Idaho, Nevada, Oregon, and Washington only), and TABLE (GARDEN) BEETS (in all states); and ONION (DRY BULB), SHALLOT (BULB) (in all states except CA); AND CARROT (in WA and OR only).

<sup>2</sup>Control of wild oat has been inconsistent in Minnesota and North Dakota.

<sup>3</sup>Spray kochia while in the rosette stage, less than one inch in diameter.

<sup>4</sup>Partial control of volunteer potato in carrots only.

Hard-to-control weeds that are partially controlled will be stunted in growth and/or be reduced in numbers as compared to non-treated areas; performance may not be commercially acceptable. The degree of weed control will vary with weed size, density, spray coverage, and/or growing conditions. These weeds may require the addition of an additional tank-mix partner, or a sequential herbicide application to gain complete control.

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** Protect the product from freezing temperatures. Store the product at temperatures above 32°F and preferably above 40°F.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

## CONTAINER HANDLING

### **Rigid, Non-refillable containers small enough to shake (i.e., with capacities equal to or less than 5 gallons)**

Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Offer for recycling, if available or reconditioning, if appropriate. Then puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

### **Rigid, Non-refillable containers (greater than 5 gallons or 50 lbs)**

#### **Non-refillable Containers**

Non-refillable containers - Do not reuse or refill this container. Refer to Bottom Discharge IBC or Top Discharge IBC, Drums, Kegs information as follows.

#### **Bottom Discharge IBC (e.g. – Schuetz Caged IBC or Snyder Square Stackable)**

Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. To pressure rinse the container before final disposal, empty the remaining contents from the IBC into application equipment or mix tank. Raise the bottom of the IBC by 1.5 inches on the side which is opposite of the bottom discharge valve to promote more complete product removal. Completely remove the top lid of the IBC. Use water pressurized to at least 40 PSI to rinse all interior portions. Continuously pump or drain rinsate into application equipment or rinsate collection system while pressure rinsing. Continue pressure rinsing for 2 minutes or until rinsate becomes clear. Replace the lid and close bottom valve.

#### **Top Discharge IBC, Drums, Kegs (e.g.– Snyder 120 Next Gen, Bonar B120, Drums, Kegs).**

Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. To triple rinse the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container at least 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Rinse all interior surfaces. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill.

#### **Refillable Containers**

Refillable container – Refer to Bottom Discharge IBC or Top Discharge IBC, Drums, Kegs information as follows. Refill this container with pesticide only. Do not reuse this container for any other purpose. Contact your Ag retailer or Bayer CropScience for container return, disposal and recycling information.

#### **Bottom Discharge IBC (e.g. – Schuetz Caged IBC or Snyder Square Stackable)**

Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To pressure rinse the container before final disposal, empty the remaining contents from the

IBC into application equipment or mix tank. Raise the bottom of the IBC by 1.5 inches on the side which is opposite of the bottom discharge valve to promote more complete product removal. Completely remove the top lid of the IBC. Use water pressurized to at least 40 PSI to rinse all interior portions. Continuously pump or drain rinsate into application equipment or rinsate collection system while pressure rinsing. Continue pressure rinsing for 2 minutes or until rinsate becomes clear. Replace the lid and close bottom valve.

**Top Discharge IBC, Drums, Kegs (e.g.– Snyder 120 Next Gen, Bonar B120, Drums, Kegs).**

Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To triple rinse the containers before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container at least 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Rinse all interior surfaces. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill. End users are authorized to remove tamper evident cables as required to remove the product from the container unless the container is equipped with one way valves and refilling or returning is planned. If this is the case, end users are not authorized to remove tamper evident cables, one way valves or clean container.

### IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Bayer CropScience LP. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE LP MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Bayer CropScience LP is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE LP DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

**LIMITATIONS OF LIABILITY:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT BAYER CROPSCIENCE LP'S ELECTION, THE REPLACEMENT OF PRODUCT.

### NET CONTENTS:

Produced for



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Nortron SC Herbicide (PENDING) 12/13/2017